

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) An electronic program guide providing device comprising:
an editing means for editing electronic program information received from a
broadcasting source;

an electronic program information storage means for storing the electronic
program information edited by said editing means;

a table generation means for generating a plurality of electronic program guide
information tables using the electronic program information stored in said electronic
program information storage means, and transmitting the plurality of electronic program
guide information tables as transport stream packets, said plurality of electronic program
guide information tables including a first table of events, and at least a second table of
events occurring at different times or ~~in~~ including different content from the events in the
first table;

wherein, when updating the electronic program information stored in said
electronic program information storage means, said editing means generates update
information on the updating of the electronic program information; and

said table generation means determines which of said plurality of electronic
program guide information tables needs to be generated based on said update
information generated by said editing means and generates only those electronic
program guide information tables that are determined to need updating by using the
electronic program information stored in said electronic program information storage
means;

wherein the first table of events is separately regenerated at a time or in content different from the second table of events.

2. (Previously Presented) The electronic program guide providing device according to Claim 1, further comprising:

an update information storage means for storing the update information generated by said editing means, and

wherein, when updating the electronic program information stored in said electronic program information storage means, said editing means stores the update information on the updating of the electronic program information in said update information storage means.

3. (Previously Presented) The electronic program guide providing device according to Claim 1, wherein each of said plurality of electronic program information tables corresponds to the type of electronic program information included therein.

4. (Previously Presented) The electronic program guide providing device according to Claim 2, wherein each of said plurality of electronic program information tables corresponds to the type of electronic program information included therein.

5. (Original) The electronic program guide providing device according to Claim 3, wherein said table generation means updates only one or more electronic program

information tables that need to be updated at predetermined intervals.

6. (Original) The electronic program guide providing device according to Claim 4, wherein said table generation means updates only one or more electronic program information tables that need to be updated at predetermined intervals.

7. (Original) The electronic program guide providing device according to Claim 5, wherein said table generation means sets the length of predetermined intervals at which only one or more electronic program information tables that need to be updated are updated according to a sending frequency of an electronic program information table with the largest sending frequency.

8. (Original) The electronic program guide providing device according to Claim 6, wherein said table generation means sets the length of predetermined intervals at which only one or more electronic program information tables that need to be updated are updated according to a sending frequency of an electronic program information table with the largest sending frequency.

9. (Original) The electronic program guide providing device according to Claim 5, wherein said table generation means sets the length of predetermined intervals at which each of one or more electronic program information tables that need to be updated is updated according to a sending frequency of each of the one or more electronic

program information tables.

10. (Original) The electronic program guide providing device according to Claim 6, wherein said table generation means sets the length of predetermined intervals at which each of one or more electronic program information tables that need to be updated is updated according to a sending frequency of each of the one or more electronic program information tables.

11. (Original) The electronic program guide providing device according to Claim 2, wherein said device includes a plurality of editing means, and each of said plurality of editing means inspects update information generated by any other editing means stored in said update information storage means.

12. (Original) The electronic program guide providing device according to Claim 2, wherein said update information storage means stores histories of the update information generated by said editing means, and said editing means restores the electronic program information stored in said electronic program information storage means to the state it was prior to any updating done by said editing means with reference to the histories of the update information stored in said update information storage means if necessary.

13. (Original) The electronic program guide providing device according to Claim 1, wherein said table generation means determines whether the updating of the electronic program information done by said editing means causes something wrong in the generation of the electronic program guide table, when determining so, notifies said editing means that there causes something wrong in the generation of the electronic program guide table, and invalidates the updating of the electronic program information.

14. (Previously Presented) The electronic program guide providing device according to Claim 1, wherein said table generation means determines whether the updating of the electronic program information done by said editing means causes something wrong in the generation of the electronic program guide table, when determining so, notifies said editing means that there causes something wrong in the generation of the electronic program guide table, and requests said editing means re-edit the electronic program information.

15. (Original) The electronic program guide providing device according to Claim 12, wherein said table generation means determines whether the updating of the electronic program information done by said editing means causes something wrong in the generation of the electronic program guide table, when determining so, notifies said editing means that there causes something wrong in the generation of the electronic program guide table, and restores the electronic program information stored in said electronic program information storage means to the state it was prior to the updating of

the electronic program information with reference to the histories of the update information stored in said update information storage means.

16. (Previously Presented) The electronic program guide providing device according to Claim 1, wherein said device includes a plurality of table generation means for generating the plurality of electronic program guide information tables while sharing a load of generating the electronic program guide information tables.

17. (Previously Presented) The electronic program guide providing device according to Claim 2, wherein said device includes a plurality of table generation means for generating the plurality of electronic program guide information tables while sharing a load of generating the electronic program guide information tables.

18. (Previously Presented) The electronic program guide providing device according to Claim 1, wherein said table generation means provides the plurality of electronic program guide information tables at predetermined intervals, and, when updating an electronic program guide information table, provides the updated electronic program information guide table at the same time that it updates the electronic program guide information table.

19. (Previously Presented) The electronic program guide providing device according to Claim 2, wherein said table generation means provides the plurality of

electronic program guide information tables at predetermined intervals, and, when updating an electronic program guide information table, provides the updated electronic program information guide table at the same time that it updates the electronic program guide information table.

20. (Currently Amended) A method of generating electronic program guide information tables, comprising:

receiving edited electronic program guide information;

storing the received edited electronic program guide information;

generating a plurality of electronic guide information tables

receiving electronic program guide update information;

determining whether ~~any~~ one or more of said plurality of electronic program guide information tables needs to be updated based on the electronic program guide update information; and

re-generating only those electronic program guide information tables determined to need updating; and

transmitting the plurality of electronic program guide information tables as transport stream packets.

21. (Previously Presented) The method of claim 20 wherein generating the updated electronic program guide information tables occurs at predefined intervals.

22. (Previously Presented) The method of claim 21, wherein the predefined interval is equal to a frequency of transmission of an electronic program guide information table.

23. (Previously Presented) The method of claim 22, wherein the predefined interval is set for each of the plurality of electronic program guide information tables.

24. (Previously Presented) The method of claim 20, further comprising:
storing a history of the electronic program guide update information received.

25. (Previously Presented) The method of claim 24, further comprising:
determining if the received edited electronic program guide information will cause an error in an electronic program guide table if generated; and
notifying the sender if the received edited electronic program guide information is determined to cause an error.

26. (Previously Presented) The method of claim 25, further comprising:
restoring the stored edited electronic program guide information to a state prior to receiving the edited electronic program guide information based on the stored history.